

## Patent Abstracts of Japan

PUBLICATION NUMBER : 03001824  
PUBLICATION DATE : 08-01-91

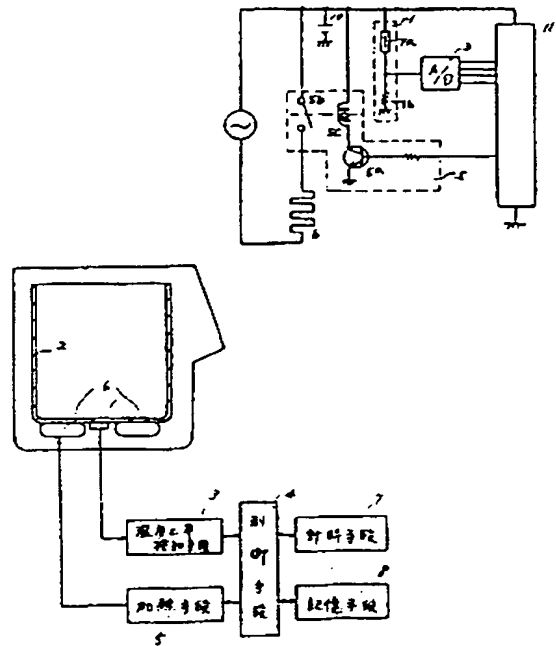
APPLICATION DATE : 30-05-89  
APPLICATION NUMBER : 01138609

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INT.CL. : A47J 27/21

TITLE : ELECTRIC KETTLE



**ABSTRACT :** PURPOSE: To prevent erroneous detection of boiling when a time taken for a predetermined temperature width rise is not N times longer than a predetermined time, by setting the predetermined time to a comparative value when the time taken for the predetermined temperature width rise in heating is shorter than the predetermined time.

**CONSTITUTION:** When a temperature rise detecting means 3 detects predetermined temperature width rise, a controlling means 4 stores contents of time since the beginning of heating of a clock means 7 in a memory means 8 and further compares the value of the memory means 8 with a predetermined time to store the predetermined time in the memory means 8 if the predetermined time is longer and send an OFF signal to a heating means 5 when the time taken for the predetermined temperature width rise of at least N times that in the data is reached. A temperature detecting element 1 is constituted of a thermistor 1a and a resistance 1b, the resistance value of the former being increased when the temperature is low and reduced when the temperature is high so that the corresponding voltage is outputted to the temperature rise detecting means 3.

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